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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/737,312	12/16/2003	Glenn M. Amber	15876-46037	5952
7590 12/01/2006			EXAMINER	
Brian M. Ding	man		HOFFBERG, ROBERT JOSEPH	
Mirick, O'Conno 1700 West Park	ell, DeMallie & Lougee, Drive	LLP	ART UNIT	PAPER NUMBER
	MA 01581-3941		2835	
			DATE MAILED: 12/01/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

_	I A 10 40 50	A 12 4/->	SP		
	Application No.	Applicant(s)			
	10/737,312	AMBER ET AL.			
	Examiner	Art Unit			
	Robert J. Hoffberg	2835			
	ears on the cover sheet with the c		ress		
or O'	S APPLICATION IN CONDITION For the same day as filing a Notice of wing replies: (1) an amendment, affortice of Appeal (with appeal fee) in one ce with 37 CFR 1.114. The reply missing	Appeal. To avoid aba fidavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)		
Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In a later than SIX MONTHS from the mailing date of the final rejection. For (b), ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN 706.07(f). The on which the petition under 37 CFR 1.136(a) and the appropriate extension fee extension and the corresponding amount of the fee. The appropriate extension fee eshortened statutory period for reply originally set in the final Office action; or (2) as ter than three months after the mailing date of the final rejection, even if timely filed.					
npliance with 37 CFR 41.37 must be filed within two months of the date of tension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since ed within the time period set forth in 37 CFR 41.37(a).					
ele	but prior to the date of filing a brief onsideration and/or search (see NO ow);	TE below);			
e	etter form for appeal by materially re	ducing or simplifying	the issues for		
a ()	corresponding number of finally re	jected claims.			
. •	121: See attached Notice of Non-Co .):	ompliant Amendment	(PTOL-324).		
E	allowable if submitted in a separate;	timely filed amendme	ent canceling the		
a) ro	will not be entered, or b) wipovided below or appended.	ill be entered and an	explanation of		
b aı	ut before or on the date of filing a N nd sufficient reasons why the affida	lotice of Appeal will <u>n</u> vit or other evidence i	ot be entered s necessary and		
	A) ()		will not be		

Advisory Action Refere the Filing of an Appeal Brief

Before the Filling of all Appear Brici	Examiner	Art Unit					
·	Robert J. Hoffberg	2835					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
HE REPLY FILED 17 November 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.							
☐ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:							
a) The period for reply expires 3 months from the mailing date of the final rejection. b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN							
TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
NOTICE OF APPEAL	alianaa with 27 CED 41 27 must bo	filed within two mont	ns of the date of				
2. The Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). AMENDMENTS							
3. The proposed amendment(s) filed after a final rejection,	but prior to the date of filing a brief	, will <u>not</u> be entered b	ecause				
(a) They raise new issues that would require further co	nsideration and/or search (see NO	TE below);					
(b) They raise the issue of new matter (see NOTE below	ow);						
(c) They are not deemed to place the application in be	tter form for appeal by materially re	ducing or simplifying	the issues for				
appeal; and/or		inated alaima	• •				
(d) They present additional claims without canceling a		jected claims.					
NOTE: (See 37 CFR 1.116 and 41.33(a)).			(DTOL 224)				
4. The amendments are not in compliance with 37 CFR 1.1		ompliant Amendment	(PTOL-324).				
5. Applicant's reply has overcome the following rejection(s):	11 . 1 . El . d					
Newly proposed or amended claim(s) would be a non-allowable claim(s).							
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is pro The status of the claim(s) is (or will be) as follows:	☐ will not be entered, or b) ☐ will will will be below or appended.	ill be entered and an i	explanation of				
Claim(s) allowed:		·					
Claim(s) objected to: Claim(s) rejected:							
Claim(s) withdrawn from consideration:							
AFFIDAVIT OR OTHER EVIDENCE		•					
 The affidavit or other evidence filed after a final action, be because applicant failed to provide a showing of good ar was not earlier presented. See 37 CFR 1.116(e). 	nd sufficient reasons why the affida	vit or other evidence i	s necessary and				
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to showing a good and sufficient reasons why it is necessa 	overcome <u>all</u> rejections under appe ry and was not earlier presented. S	eal and/or appellant fa See 37 CFR 41.33(d)(ils to provide a 1).				
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	10. 🗌 The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.						
11. The request for reconsideration has been considered b See Continuation Sheet.		n condition for allowa	nce because:				
12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s).							
13. Other:			**********************				
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Continuation of 11. does NOT place the application in condition for allowance because: Regarding replacement sheet for Fig. 2. The applicant amended Fig. 2 to show relief volumes #50. The relief volumes erroneously have lines drawn on only three sides instead of on four sides, depicting the relief volumes #50 as extensions of electrical device #14.

Regarding applicant's argument that the Andric et al. (US 6,504,243) fail to disclose that a lower surface of the heat-conducting member including one or more relief volumes that prevent the lower surface of the heat-conducting member from contacting a top surface of one or more components of the electrical device. The examiner respectfully disagrees. Andric et al. shows a lower surface of the heat-conducting member (#56) including a relief volume (unlabeled) that prevents the lower surface of the heat-conducting member from contacting a top surface of a component of the electrical device. As illustrated, if the relief volume shown in Fig.4 on the lower surface of the heat-conducting member is omitted, then a top surface of integrated circuit #60 would contact the lower surface. First, the applicant's electrical device #14 has a rectangular central pedestal (page 6, line 17) which in prior art reference Andric et al. is an integrated circuit #60 mounted on a substrate #62. Second, applicant's claims only requires that the relief volume(s) prevent a top surface of the component of the electrical device from contacting the lower surface of the heat-conducting member, but may allow for the component to protrude into the space of the relief volume and to contact surfaces other than the lower surface of the heat-conducting member (the other than a lower surface may also be located on the bottom side of the heat-conducting member). The relief volume of the heat-conducting member of Andric et al. prevents the top surface of the component of the electrical device from contacting the lower surface of the heat-conducting member.

MICHAEL DATSKOVSKIY
PRIMARY EXAMITIVER

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